

10

15 ————— 1000 Å InGaAs

21 ————— 1 μm InP

20 ————— 1000 Å InP

19 ————— 50 Å InGaAs $p = 5 \times 10^{17}$

14 ————— 250 Å InP $p = 6 \times 10^{17}$

18b ————— 800 Å 1.15 Q $p = 5 \times 10^{17}$

17 ————— 700 Å 1.24 Q undoped

16 ————— 50 Å QW undoped

17 ————— 100 Å 1.24 Q undoped

16 ————— 50 Å QW undoped

17 ————— 100 Å 1.24 Q undoped

16 ————— 50 Å QW undoped

17 ————— 700 Å 1.24 Q undoped

18a ————— 800 Å 1.15 Q $n = 5 \times 10^{17}$

22 ————— 5000 Å InP $n = 1 \times 10^{18}$

11 ————— n^+ InP Substrate

13

Fig. 1

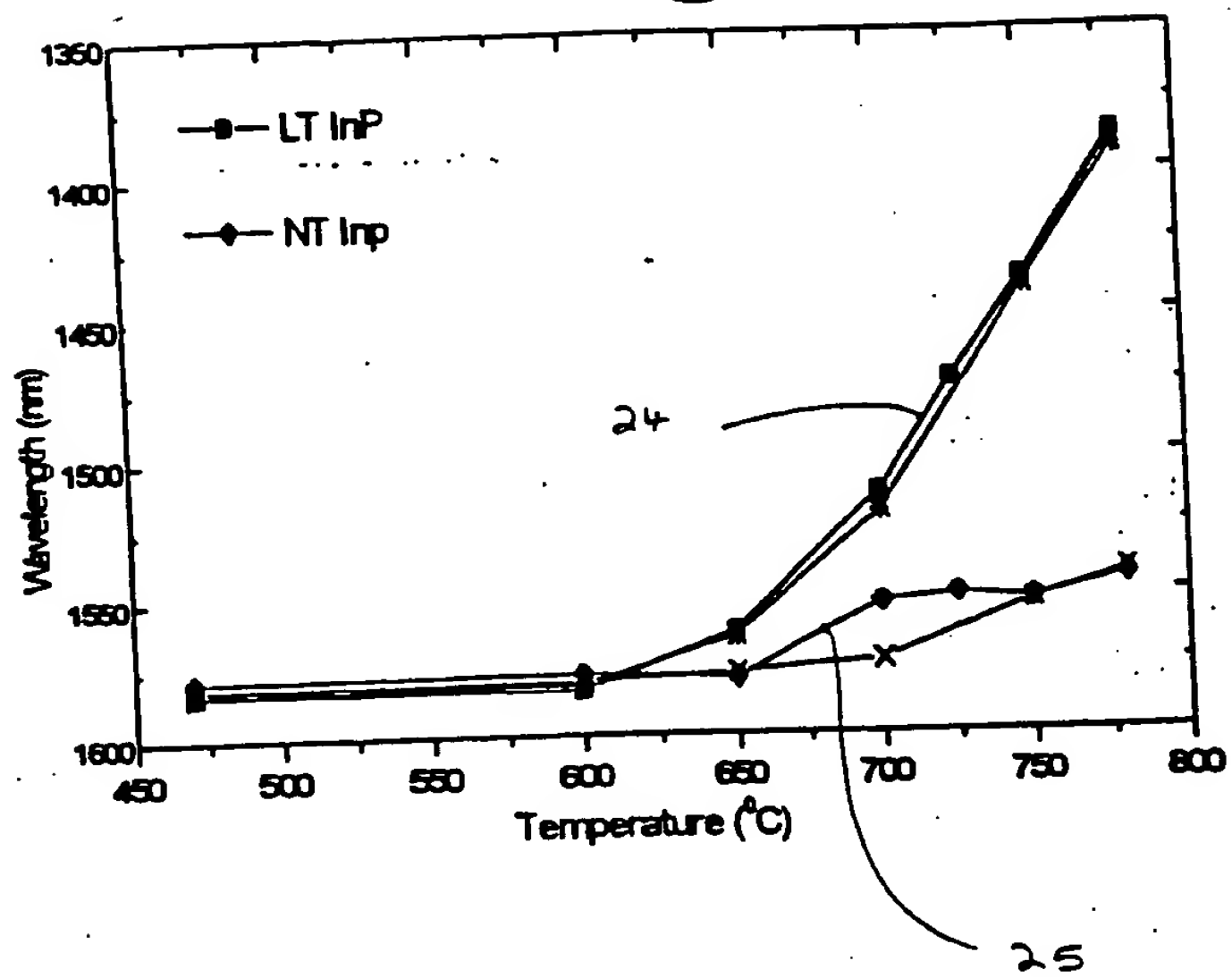


Fig. 2

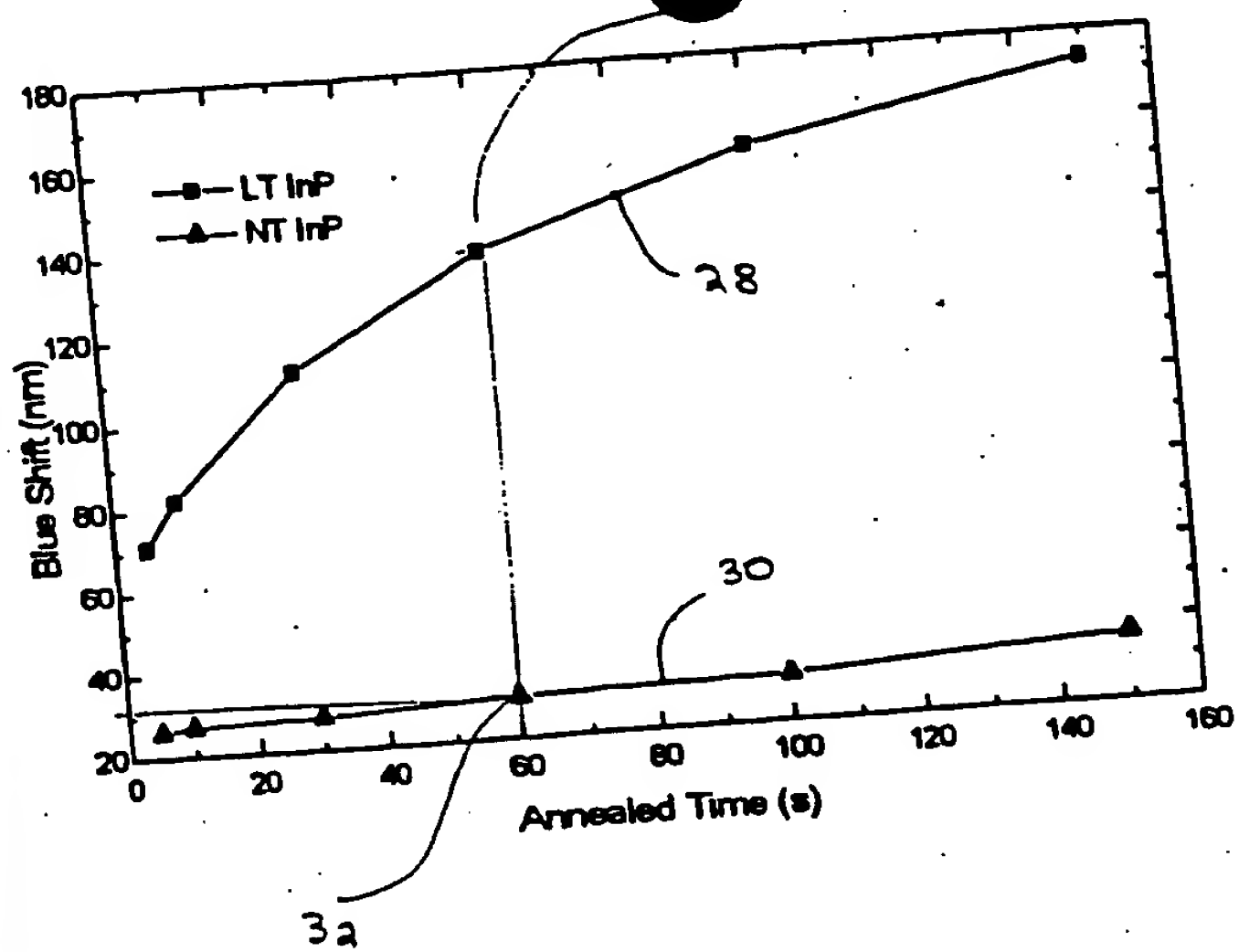


Fig.3

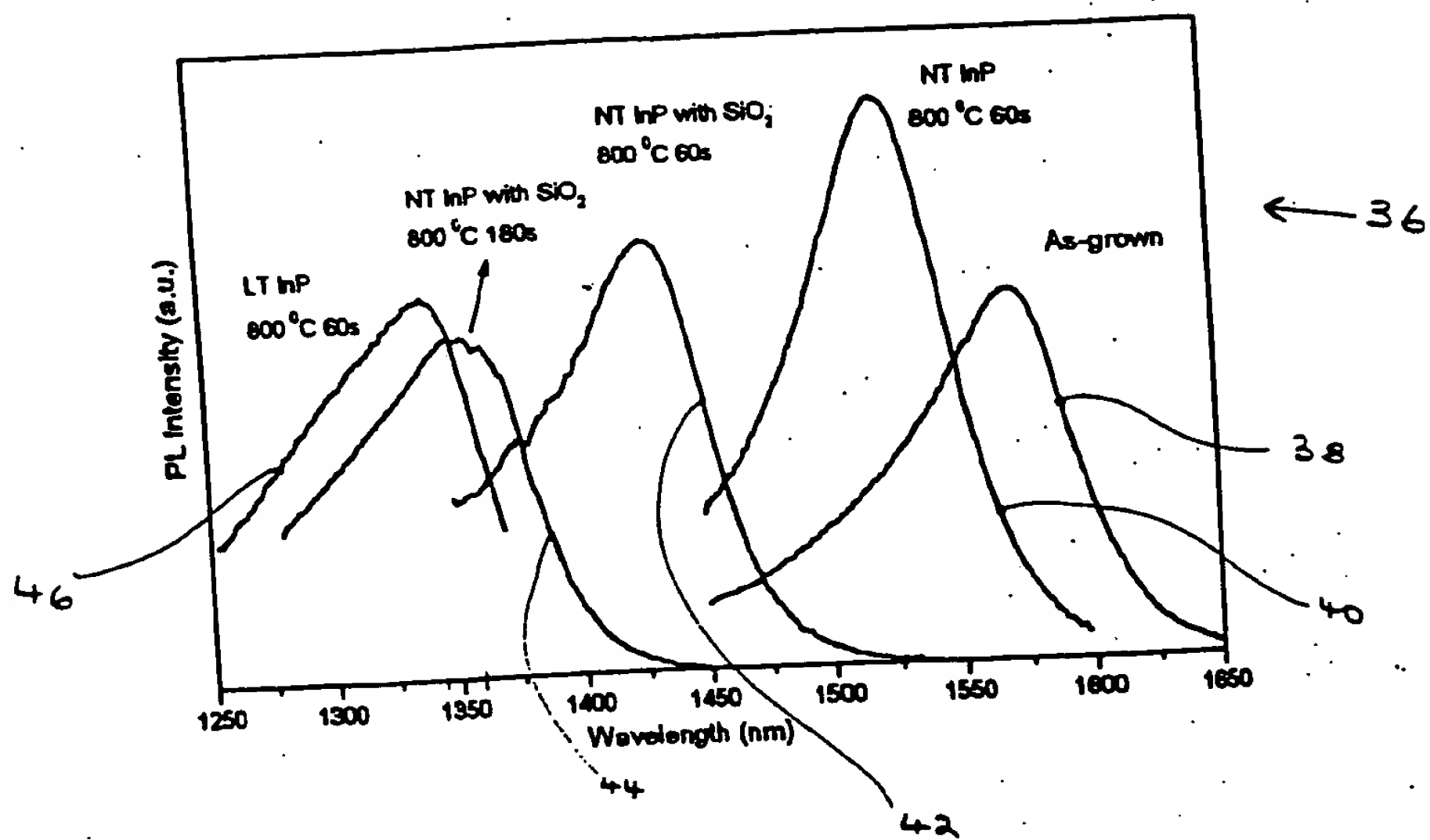


Fig. 4

1250 1300 1350 1400 1450 1500 1550 1600 1650

100				
105	1000 Å	InGaAs		
114	1 μm	InP		
102	1000 Å	InP		
		InP (Helium-Plasma)		
112				
108b	800 Å	1.15 Q	$p = 5 \times 10^{17}$	
107	700 Å	1.24 Q	undoped	
106	50 Å	QW	undoped	
107	100 Å	1.24 Q	undoped	
106	50 Å	QW	undoped	
107	100 Å	1.24 Q	undoped	
106	50 Å	QW	undoped	
107	700 Å	1.24 Q	undoped	
108a	800 Å	1.15 Q	$n = 5 \times 10^{17}$	
	5000 Å	InP	$n = 1 \times 10^{18}$	
110		n^+ InP Substrate		
120				

Fig 5a

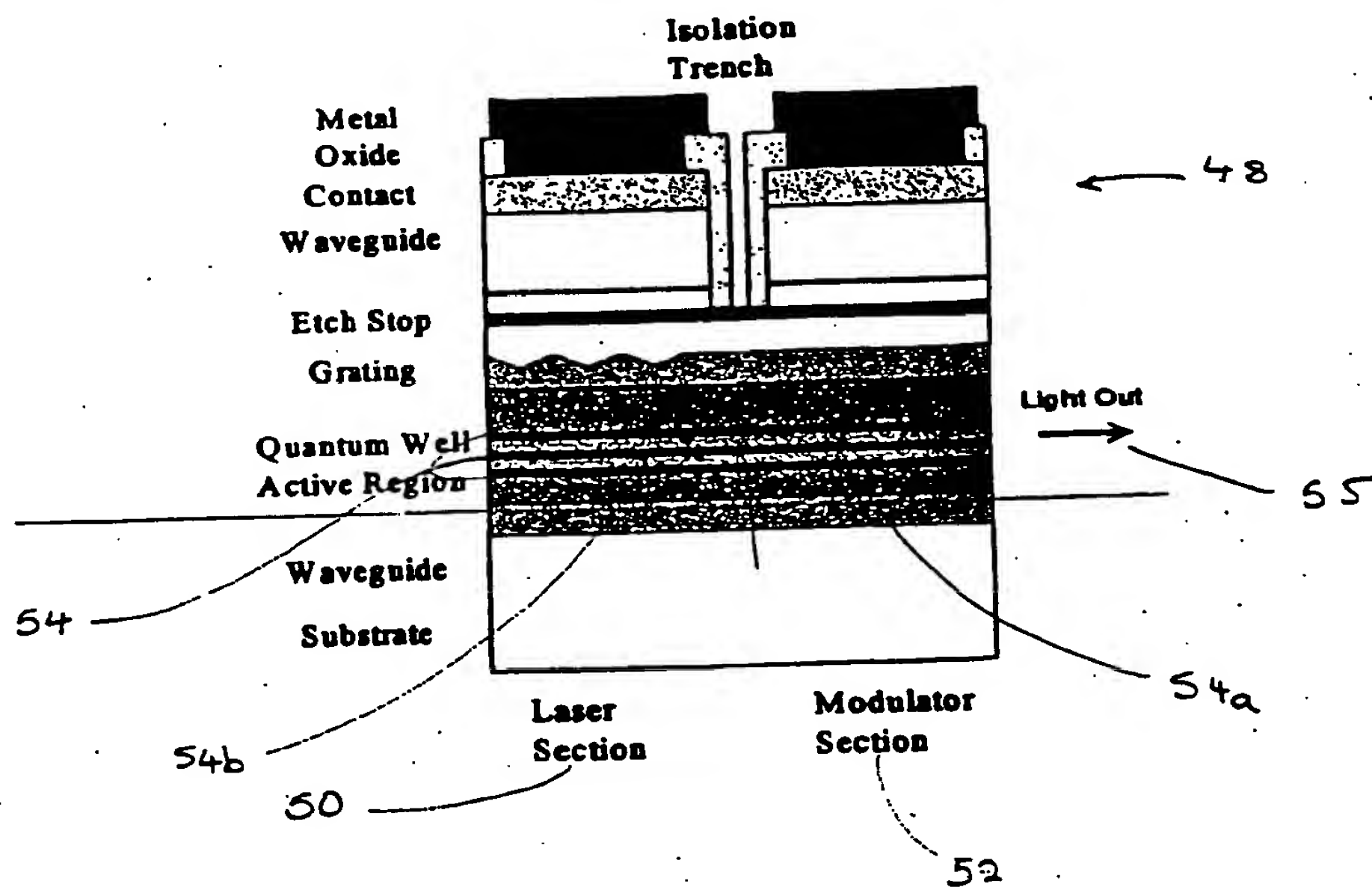


Fig. 5b

56

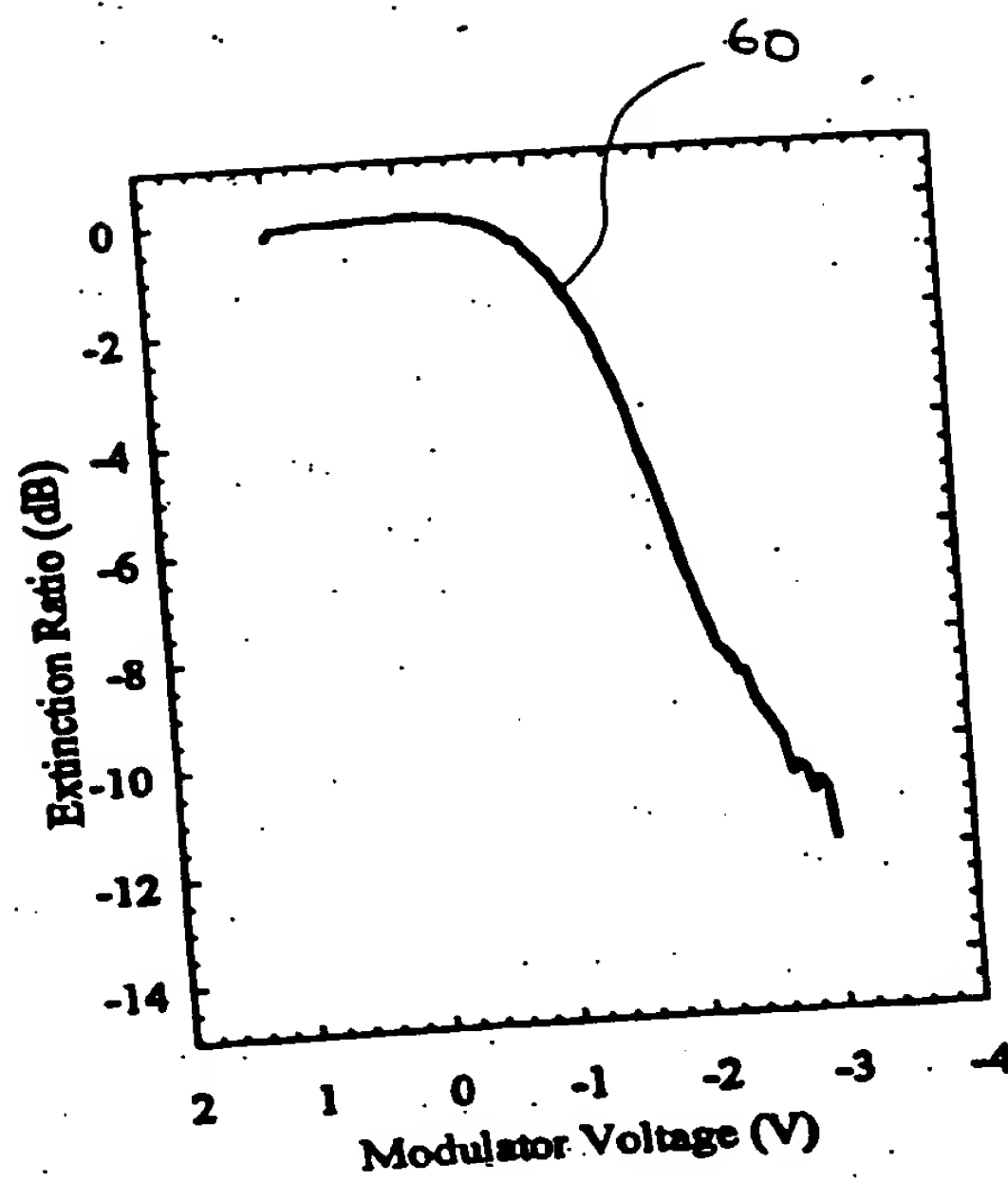


Fig. 6